From: John Martin
To: R6 DWH OPS@EPA; R6 DWH REOC PSC@EPA; R6 DWH Info@EPA; R6 DWH IC@EPA; R6 DWH REOC ESC@EPA
Cc: Nancy Jones
Subject: Fw: MS Canyon Oil Spill Data received 5-10-2010 in .xls format
Date: 05/14/2010 12:59 PM

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fyi

John J. Martin (6SF-PE)
Federal On-Scene Coordinator
US Environmental Protection Agency
1445 Ross Ave / Dallas, Texas 75202
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----- Forwarded by John Martin/R6/USEPA/US on 05/14/2010 12:40 PM -----

From: Patrick Young/R6/USEPA/US
To: John Martin/R6/USEPA/US
Cc: Louis.Lightner@hhs.gov
Date: 05/14/2010 11:10 AM
Subject: Fw: MS Canyon Oil Spill Data received 5-10-2010 in .xls format

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Patrick Young, MS, RS
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----- Forwarded by Patrick Young/R6/USEPA/US on 05/14/2010 11:10 AM -----

MS Canyon Oil Spill Data received 5-10-2010 in .xls format

Cseh, Larry (ATSDR/DTEM/PRMSB) to: Deborah Burgin, CDC NCEH/ATSDR Documentation Branch Director, CDC NCEH/ATSDR Environmental Health Lead (CDC), CDC NCEH/ATSDR Occupational Health Lead, CDC NCEH/ATSDR Planning Section Chief, CDC NCEH/ATSDR Technicial Specialty Unit Leader, Costello, Ryan (ATSDR/DRO) 05/14/2010 11:06 AM

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Forrester, Tina (ATSDR/DRO), Fowler, Bruce (ATSDR/DTEM/OD), Greim, William (HHS/ASPR/OPEO), Holler, James S. (Jim) (ATSDR/DTEM/PRMSB), Jones, Dennis E. (ATSDR/DTEM/ATB), Lightner, Louis (HHS/ASPR/OPEO), Murray, Ed (ATSDR/DTEM/OD), Risher, John (ATSDR/DTEM/ATB), Welsh, Clement (ATSDR/DRO), Wetter, Donald (HHS/ASPR/OPEO), Patrick Young, Jones, Steve (ATSDR/DRO), Pettigrew, George (ATSDR/DRO), Safay, Robert E. (ATSDR/DRO)

Cc: "ATSDR Emergency Response", "Ikner, Robert E. (Bob) (ATSDR/DTEM/PRMSB)", "Edge, Charles (ATSDR/DTEM/PRMSB)", "Durant, James T. (ATSDR/DTEM/PRMSB)", "Cseh, Larry (ATSDR/DTEM/PRMSB)", "Nickle, Richard (ATSDR/DTEM/PRMSB)", "Wright, Scott V. (ATSDR/DTEM/PRMSB)", "Johnson, Mark (ATSDR/DRO)"

From: "Cseh, Larry (ATSDR/DTEM/PRMSB)" <loc3@cdc.gov>

To: Deborah Burgin/DC/USEPA/US@EPA, "CDC NCEH/ATSDR Documentation Branch Director" <ncehdocument2@cdc.gov>, "CDC NCEH/ATSDR Environmental Health Lead (CDC)" <envirohealth@cdc.gov>, "CDC NCEH/ATSDR Occupational Health Lead" <ncehevent46@cdc.gov>, "CDC NCEH/ATSDR Planning Section Chief" <ncehplans2@cdc.gov>, "CDC NCEH/ATSDR Technicial Specialty Unit Leader" <ncehtsu2@cdc.gov>, "Costello, Ryan (ATSDR/DRO)" <hdu2@cdc.gov>, "Forrester, Tina (ATSDR/DRO)" <txf5@CDC.GOV>, "Fowler, Bruce (ATSDR/DTEM/OD)" <bxf9@CDC.GOV>, "Greim, William (HHS/ASPR/OPEO)" <William.Greim@hhs.gov>, "Holler, James S. (Jim) (ATSDR/DTEM/PRMSB)" <jsh2@CDC.GOV>, "Jones, Dennis E. (ATSDR/DTEM/ATB)" <dej2@CDC.GOV>, "Lightner, Louis (HHS/ASPR/OPEO)" <Louis.Lightner@hhs.gov>, "Murray, Ed (ATSDR/DTEM/OD)" <hem0@CDC.GOV>, "Risher, John (ATSDR/DTEM/ATB)" <jzr8@CDC.GOV>, "Welsh, Clement (ATSDR/DRO)" <cqw9@CDC.GOV>, "Wetter, Donald (HHS/ASPR/OPEO)" <donald.wetter@hhs.gov>, Patrick Young/R6/USEPA/US@EPA, "Jones, Steve (ATSDR/DRO)" <sxj6@CDC.GOV>, "Pettigrew, George (ATSDR/DRO)" <glp3@CDC.GOV>, "Safay, Robert E. (ATSDR/DRO)" <ras7@CDC.GOV>

Cc: "ATSDR Emergency Response" <atsdrer@cdc.gov>, "Ikner, Robert E. (Bob) (ATSDR/DTEM/PRMSB)" <HLL6@cdc.gov>, "Edge, Charles (ATSDR/DTEM/PRMSB)" <ibd7@cdc.gov>, "Durant, James T. (ATSDR/DTEM/PRMSB)" <hzd3@CDC.GOV>, "Cseh, Larry (ATSDR/DTEM/PRMSB)" <loc3@CDC.GOV>, "Nickle, Richard (ATSDR/DTEM/PRMSB)" <ran2@CDC.GOV>, "Wright, Scott V. (ATSDR/DTEM/PRMSB)" <svw3@CDC.GOV>, "Johnson, Mark (ATSDR/DRO)" <mkj5@CDC.GOV>

ATSDR has reviewed the attached data packages sent on May 10, 2010 for both Region IV and Region VI.

Air monitoring results from Region IV show the following: At Station R04START-050610-6, Hydrogen Sulfide was detected above odor detection on 5/4 and 5/6 from 18:00 – 19:00. On 5/4 Carbon Monoxide was slightly elevated at 18:00 but dropped by the 19:00 sample. These levels were not sufficient to present a health concern. Other readings were unremarkable.

Water monitoring results from Region IV show the following: At Station BCH04, Triphenylphosphine oxide (TIC) was detected above a calculated comparison level on 5/3. The sample was collected from surface water. This is a controlled substance with a street name of "Angle Dust". It is recommended that the appropriate law enforcement agency be informed to follow up on this hit. Other readings were unremarkable.

Sediment monitoring results from Region IV show the following: No new hits submitted.

Air monitoring results from Region VI show the following: At Station V02, Hydrogen Sulfide was detected above odor detection on 5/6-5/8 from 0800-1800 and very low LEL readings were detected on the same day from 0900-1500. These levels were not sufficient to present a health concern, but the time correlation and the detection of any indications of explosive vapors in the open air is somewhat unusual. At Station V05, hydrogen sulfide levels were above odor detections on 5/7 and 5/8. This seems to be the norm for this station and will not be mentioned again unless much more significantly elevated. Station V03 had slightly elevated Carbon Monoxide levels on 5/8 and 5/9. Stations V03, C02, C04 had intermitted slightly elevated VOCs while station C03 routinely had reading slightly elevated for the period 5/4, 5/5, 5/7, 5/8, and 5/9. Station C03 located in Chalmette, should be evaluated to identify possible sources. Station C03 Stations V02 and V03 had slightly elevated PM-10 readings on 5/4, 5/5/, and 5/7 which may correspond with river traffic. These levels were not sufficient to present a health concern. Other readings were unremarkable.

Water monitoring results from Region VI show the following: While several samples had elevated levels compared to the comparison values for antimony, arsenic, calcium, chromium, iron, potassium, sodium and thallium in water. These locations were in brackish or salt water in the gulf, so utilizing them for drinking is unlikely. Other readings were unremarkable.

Sediment monitoring results from Region VI show the following: At Station V7929, V7931, V7930, V8327, V8328, V8488, and V8489 samples elevated levels for arsenic. The sample locations were either marsh land or taken from underwater locations. Due to the locations and access an ingestion exposure pathway seems unlikely. Stations V7615 and V7678 samples slightly elevated levels for iron; Stations V7846 and 7844 samples elevated levels for sodium; Station V7555 had elevated levels of Total Organic Carbon which could be explained by the station's locations that are located in a salt marsh. Station V8472 sample had elevated levels of Methylene chloride which also is in an isolated location and the likelihood of an exposed population is extremely low. Other readings were unremarkable.

ATSDR does not anticipate any increased hazard to human health related to the oil spill based on this data.

CAPT Larry F. Cseh, R.S., MSA

US Public Health Service

Emergency Response Coordinator

ATSDR, DTEM, PRMSB, ERT

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